



IPW

PATENT  
5298-14001/CD02232

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Gupta et al.

Serial No. 10/809,244

Filed: March 25, 2004

For: NETWORK DEVICE, CARRIER  
MEDIUM AND METHODS FOR  
INCREMENTALLY UPDATING A  
FORWARDING DATABASE THAT IS  
SPLIT INTO A BOUNDED NUMBER  
OF SUB-DATABASES HAVING A  
BOUNDED SIZE

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Group Art Unit: 2171

Examiner: Unknown

Atty. Dkt. No. 5298-14001

I hereby certify that this correspondence is being deposited  
with the U.S. Postal Service as First Class Mail in an envelope  
addressed to: Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313, on the date indicated below:

12/01/2004  
Date

Kevin L. Daffer

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

Applicant requests consideration of ☒ the references listed on the attached Form PTO-1449  
and/or ☐ the additional information identified below in paragraph 3. Pursuant to the revisions made to  
37 CFR 1.98, copies are only provided for any foreign or non-patent art.

1. This Information Disclosure Statement is submitted:

- a. ☐ within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);  
☐ within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;  
☒ before the mailing date of a first Office Action on the merits; or  
☐ before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.
- b. ☐ after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: ☐ the certification of paragraph 2 below is provided, or ☐ a fee of \$180.00 is enclosed.
- c. ☐ after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.

2. It is hereby certified:

☒ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:

4. For each non-English language reference listed on the attached Form PTO-1449:

☐ reference is made to an English language translation submitted herewith, and/or

☐ reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or

☐ reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or

☐ reference is made to the concise explanation contained in the specification of the present application at page(s) \_\_\_\_\_, and/or

☐ reference is made to the concise explanation set forth below:

5. ☐ Applicant also offers the following comments for the Examiner's consideration:

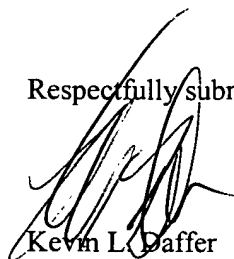
6. ☐ Also enclosed is a copy of a foreign search report citing these references.

7. ☐ The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.

8. ☐ Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

If any required fees are missing, the Commissioner is authorized to charge said fees to deposit account number 50-3268/5298-14200.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Kevin L. Daffer', is written over the typed name.

Kevin L. Daffer  
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Date: December 1, 2004

**Form PTO-1449** (modified)

List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use several sheets if necessary)

ATTY. DKT. NO. 5298-14200

APPLICANT: Venkatachary et al.

FILING DATE: March 28, 2003

SERIAL NO. 10/402,887

GROUP: 2171

**U.S. PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		2002/089937	7/2002	Venkatachary et al.			

**FOREIGN PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

	B1	Chen et al., "A Fast and Scalable IP Lookup Scheme for High-Speed Networks," © 1999 IEEE, pp. 211-218.
	B2	Pao et al., "Efficient Hardware Architecture for Fast IP Address Lookup," IEEE INFOCOM 2002, pp. 555-561.
	B3	Akhbarizadeh et al., "Reconfigurable Memory Architecture for Scalable IP Forwarding Engines," © 2002 IEEE, pp. 432-437.
	B4	Yu et al., "Forwarding Engine for Fast Routing Lookups and Updates," 1999 Global Telecommunications Conference, pp. 1556-1564
	B5	International Search Report, PCT/US2004/009531, mailed September 2, 2004.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Information Disclosure Statement--PTO 1449 (modified)